

FEMA Geospatial Coordination Call

California Wildfires

November 15, 2018 2:00 PM EST

Conference Bridge: 800-320-4330, Passcode:247327#

Adobe Connect:

<https://fema.connectsolutions.com/geospatialcoordinationcall/>

Storymap Link:

<https://arcg.is/0f0Cr8>

Table of Contents

FEMA Geospatial Coordination Call	1
1. Geospatial Coordination Call Info.....	3
2. Situational Overview.....	4
3. FEMA Regional Updates.....	5
4. Imagery Services and Helpful Links.....	6
ADDITIONAL INFORMATION.....	10

1. Geospatial Coordination Call Info

California Wildfires

FEMA GEOSPATIAL COORDINATION CALL

Conference Bridge: 800-320-4330, Passcode: 247327#

Adobe Connect: <https://fema.connectsolutions.com/geospatialcoordinationcall/>

Coordination Call Story Map: <https://arcg.is/0f0Cr8>

FEMA Hurricane Incident Journal:

<https://fema.maps.arcgis.com/apps/MapJournal/index.html?appid=97f53eb1c8724609ac6a0b1ae861f9b5>

FEMA GIS Portal:

<http://fema.maps.arcgis.com/>

FEMA GIS Portal:

<https://fema.maps.arcgis.com/apps/MinimalGallery/index.html?appid=6bd1d3fa669343eb87bf7a8a15f028c0>

2. Situational Overview

November 15, 2018

Active Fires

Source: FEMA Region 9 map (<http://arcg.is/19OCbu>)

- **Camp Fire**
 - Camp, Concow, Paradise, Yankee Hill, Cherokee, Butte Valley, Butte Creek Canyon
 - 140,000 Acres Burned (5,000 Acre increase from yesterday)
 - 40% Contained (5% increase from yesterday)
- **Woolsey Fire**
 - Woolsey, Bell Canyon, Oak Park, Casa Conejo, Malibu
 - 98,362 Acres Burned (742 acres increase from yesterday)
 - 57% Contained (10% increase from yesterday)

November 14, 2018

Active Fires

Source: FEMA Region 9 map (<http://arcg.is/19OCbu>)

- **Camp Fire**
 - Camp, Concow, Paradise, Yankee Hill, Cherokee, Butte Valley, Butte Creek Canyon
 - 135,000 Acres Burned (10,000 Acre increase from yesterday)
 - 35% Contained (5% increase from yesterday)
- **Woolsey Fire**
 - Woolsey, Bell Canyon, Oak Park, Casa Conejo, Malibu
 - 97,620 Acres Burned (1,606 acres increase from yesterday)
 - 47% Contained (12% increase from yesterday)
- **Hill Fire – Recently Contained**
 - Hill, Casa Conejo

November 13, 2018

Active Fires

Source: FEMA Region 9 map (<http://arcg.is/19OCbu>)

- **Camp Fire**
 - Camp, Concow, Paradise, Yankee Hill, Cherokee, Butte Valley, Butte Creek Canyon
 - 125,000 Acres Burned
 - 30% Contained
- **Woolsey Fire**
 - Woolsey, Bell Canyon, Oak Park, Casa Conejo, Malibu
 - 96,314 Acres Burned
 - 35% Contained
- **Hill Fire**
 - Hill, Casa Conejo
 - 4,531 Acres Burned
 - 90% Contained

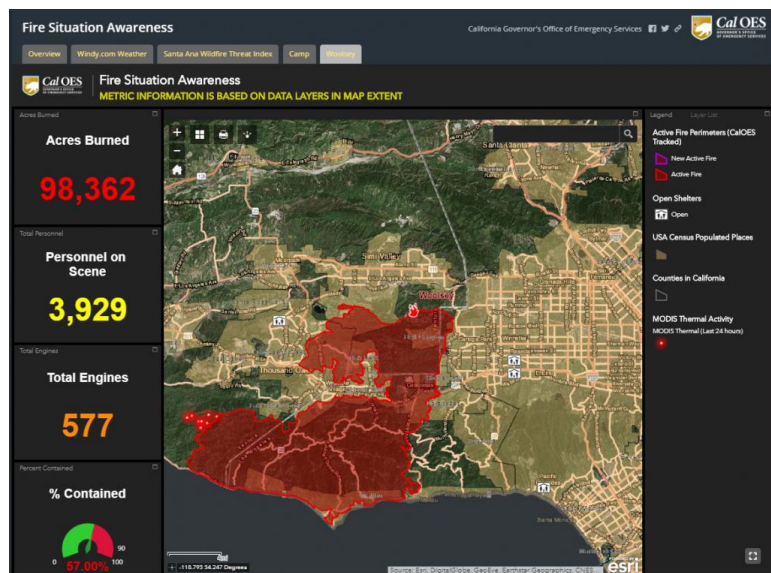
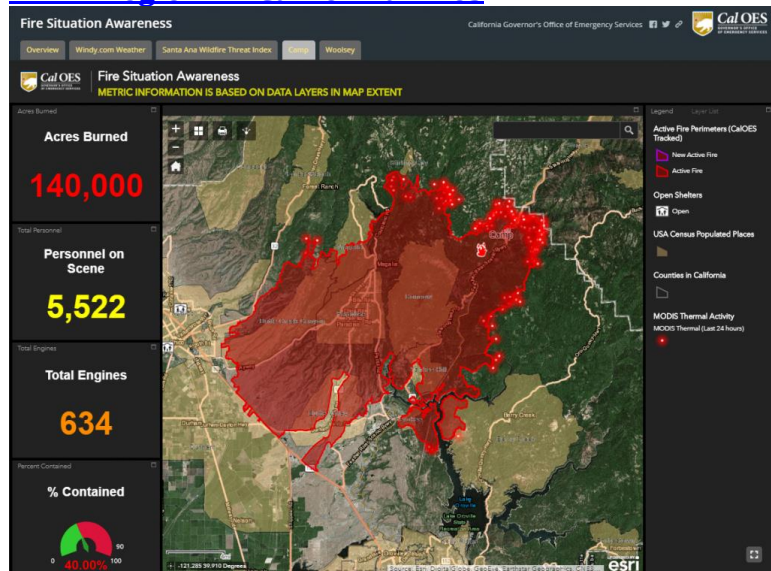
3. FEMA Regional Updates

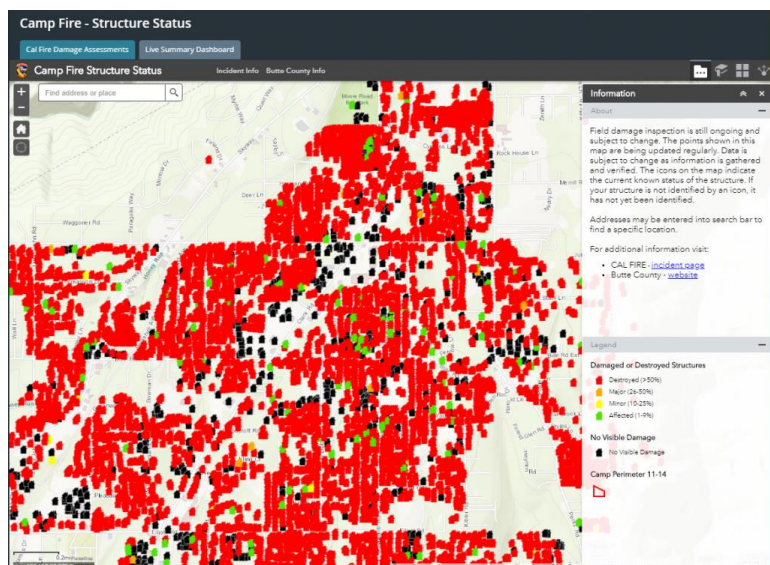
November 15, 2018

Regional Updates:

- **FEMA Region IX:**
- Chris Stewart is embedded with CalOES today
- Chris Vaughan from FEMA HQ will join him this afternoon
- Contact Chris S directly if you have any R9 concerns or requests for him

FEMA Region IX: California Fires





4. Imagery Services and Helpful Links

November 15, 2018

All Data sources listed here will also be included in the Updated Data Source documents sent to [Remote Sensing and GIS Data for Disaster Community](#) subscribers.

Official Region 9 California Fires Journal

<http://arcg.is/190Cbu>

Cal OES Situational Awareness Dashboards

[Situational Awareness Dashboard Web App](#)

FEMA Wildfire Journal

<https://fema.maps.arcgis.com/apps/MapJournal/index.html?appid=58585e471e484cffbc398c5830d0b4dd>

[NEW] Camp Fire – Normalized SWIR Index

Published Sentinel Imagery for the Camp Wildfire 11_11_2018. Products: SNB, SSR, and Normalized SWIR Index.

<http://fema.maps.arcgis.com/apps/webappviewer/index.html?id=b01fa859f5be467f872ae0799c17f503>

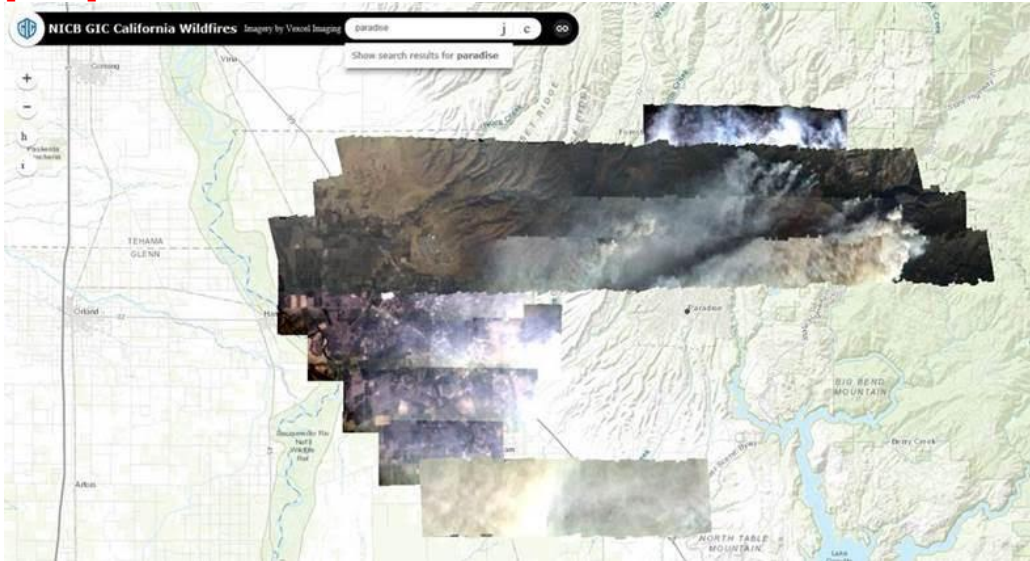
[NEW] REST Service CAL FIRE Dashboard

<http://fema.maps.arcgis.com/apps/opstdashboard/index.html#/457db02e0a1646edaf62c520a852859f>

[NEW] Joint Task Civil Support ArcGIS Portal Site

<https://cs-map.jtfcs.northcom.mil/arcgis/home>

[NEW] NICB Collection Areas



Aerial Imagery in support of the Woolsey Fire and Camp Fire in California

Please visit www.geointel.org for more information

Please contact us with any questions at: support@geointel.org

[NEW] SSEC True Color imagery from VIIRS direct broadcast

<https://re.ssec.wisc.edu/s/BXKCQ>

[NEW] JSTAR JPSS Mapper

[JSTAR Mapper](#)

[NEW] HRRR (rapid refresh) experimental smoke model forecasts

<https://rapidrefresh.noaa.gov/hrrr/HRRRsmoke/>

[NEW] Experimental Forecast NOAA HRRR Smoke

<https://hwp-viz.gsd.esrl.noaa.gov/smoke/index.html>

HDDS

HDDS is supporting the November California fires in the US. The following images and products have been added to HDDS.

If you would like to request specific imagery for HDDS in support of this event, please use the USGS Collection Management Tool (CMT): <http://cmt.usgs.gov/>

<https://hddsexplorer.usgs.gov/fire/> Event: 201811_Fire_US

Please continue to monitor the HDDS site or Twitter (@USGS_HDDS) for ongoing updates.

EVENT: 201811_Fire_US

PLEIADES

1 Scenes were ingested:

https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_DOD_PLEIADES1_Hill_Fire_20181111&field=BATCH_NAME

SENTINE-1

1 Scenes were ingested:

https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_ESA_SENTINEL1_Woolsey_Hill_20181111&field=BATCH_NAME

SPOT6 SPOT7

4 Scenes were ingested:

https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_DOD_SPOT6_PSH_Woolsey_20181113,201811_Fire_US_DOD_SPOT7_PSH_Camp_Fire_20181110,201811_Fire_US_DOD_SPOT7_PSH_CampFire_20181112&field=BATCH_NAME

WORLDVIEW SWIR

2 Scenes were ingested:

https://hddsexplorer.usgs.gov/criteria?event=201811_Fire_US&ordered=201811_Fire_US_NGA_WORLDVIEW3_SWIR_Woolsey_Hill&field=BATCH_NAME

NASA ARIA Damage Proxy Map

NASA's ARIA Damage Proxy Map of the Woolsey Fire in Southern California was created from the Sentinel-1 satellite SAR data acquired on Nov 11 6am local time. The maps are available to download from http://aria-share.jpl.nasa.gov/events/201811-Woolsey_Fire/ Below is an illustrative figure of the map, and the following is the caption.



Woolsey Fire 6am Nov 11, 2018 – ARIA Damage Proxy Map v0.5

The Advanced Rapid Imaging and Analysis (ARIA) team at NASA's Jet Propulsion Laboratory in Pasadena, California, created this Damage Proxy Map (DPM) depicting areas of Southern California that are likely damaged (shown by red and yellow pixels) as a result of the Woolsey Fire. The map is derived from synthetic aperture radar (SAR) images from the Copernicus Sentinel-1 satellites, operated by the European Space Agency (ESA). The pre-event images were taken before (October 30, 2018) and the post-event image was acquired during the fire (6am November 11, 2018, both local time).

The map covers an area of 50 miles x 25 miles (80 km x 40 km), indicated with the big red polygon. Each pixel measures about 33 yards x 33 yards (30 m x 30 m). The color variation from yellow to red

indicates increasingly more significant ground surface change. Preliminary validation was done by comparing to the Approximate fire location by the Google Crisismap. This damage proxy map should be used as guidance to identify damaged areas, and may be less reliable over vegetated areas including farmlands. For example, the scattered single colored pixels over vegetated areas may be false positives, and the lack of colored pixels over vegetated areas does not necessarily mean no damage.

Sentinel-1 data were accessed through the Copernicus Open Access Hub. The image contains modified Copernicus Sentinel data (2018), processed by ESA and analyzed by the NASA-JPL/Caltech ARIA team.

This research was carried out at JPL funded by NASA.

For more information about ARIA, visit: <http://aria.jpl.nasa.gov>

Camp Fire DINS with Pictures

<http://calema.maps.arcgis.com/apps/View/index.html?appid=952051b9d5d24eb8b718e45d97f7c1c5>

Camp Fire Structure Status

[Camp Fire Structure Status Web Map](#)

NASA Disasters GIS Portal

<https://maps.disasters.nasa.gov/>

Butte County Evac Zones

[Butte County Evac Zone Web Application](#)

FEMA GIS Portal

<https://fema.maps.arcgis.com/home/index.html>

NIFC Enterprise Geospatial Portal For the Fire Community

<https://egp.nwcg.gov/egp/default.aspx>

Users can register for an account on the splash page. NIFC will vet your access before issuing an account.

For the Public

<https://maps.nwcg.gov/>

FS Fire Data Web Services

<https://fsapps.nwcg.gov/afm/wms.php>

Fire Perimeters

- https://rmgsc.cr.usgs.gov/outgoing/GeoMAC/current_year_fire_data/current_year_all_states/
- <https://rmgsc.cr.usgs.gov/ArcGIS/rest/services>

InciWeb

<http://inciweb.nwcg.gov/>

US Wildfire Activity Public Information Map (ESRI ArcGIS)

<http://www.arcgis.com/apps/PublicInformation/index.html?appid=4ae7c683b9574856a3d3b7f75162b3f4>

Air Now (Air Quality)

<https://www.airnow.gov/>

Forest Service Active Fire Mapping

<https://fsapps.nwcg.gov/afm/#>

RemotePixel Viewer (Landsat-8, Sentinel-2 and CBERS-4 data viewer powered by AWS Lambda) (Use Chrome or FireFox)

[Click Here for Viewer](#)

ESA Sentinel Imagery (Use Chrome or FireFox)

Sentinel data-playground- additional band combinations to choose from as compared to the eo-browser. (Viewer)

[Click Here for Viewer](#)

ADDITIONAL INFORMATION

FEMA Geospatial Coordination Calls

When? Daily @ 2:00 PM (Eastern)

Where? Conference Bridge: 800-320-4330, Passcode: 247327#

Adobe Connect: <https://fema.connectsolutions.com/geospatialcoordinationcall/>

>> **Daily coordination call notes will be posted at the following location:**

https://disasters.geoplatform.gov/publicdata/NationalDisasters/November2018_CA_Wildfires/Documents/GeospatialCoordinationCallNotes/

>> **Register for the FEMA Daily Operations Briefing here:**

https://public.govdelivery.com/accounts/USDHSFEMA/subscriber/new?topic_id=USDHSFEMA_153

**** Please forward the details of these calls to other interested parties, including state and local representatives.***

>> **To be added to the Geospatial Coordination Calls During Disasters mailing list:**

https://public.govdelivery.com/accounts/USDHSFEMA/subscriber/new?topic_id=USDHSFEMA_1351

To subscribe to the Data Source Updates, use this link: [Remote Sensing and GIS Data for Disaster Community](#)

>> **Questions?**

contact us at: FEMA-MDWG@fema.dhs.gov